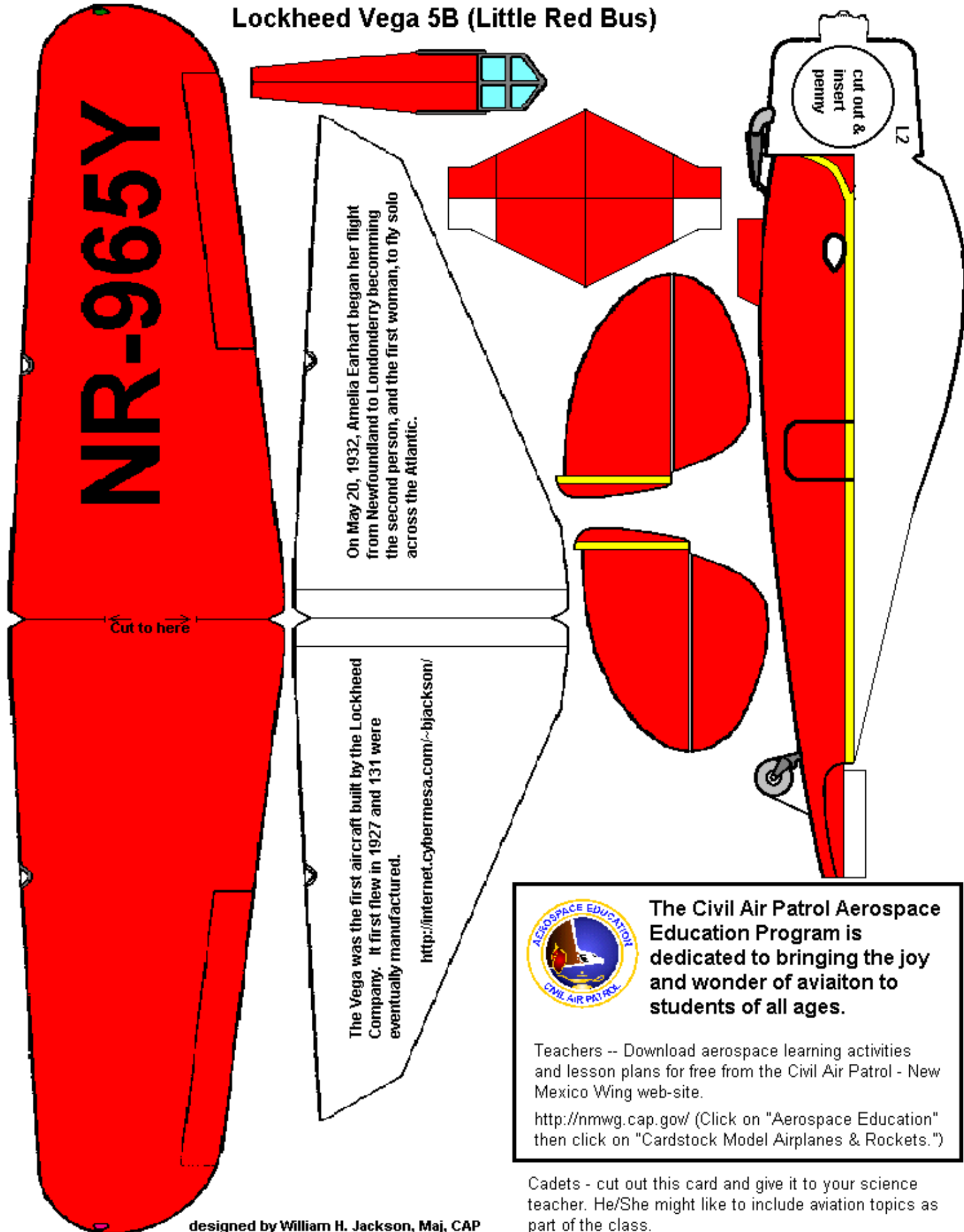


## Lockheed Vega 5B (Little Red Bus)



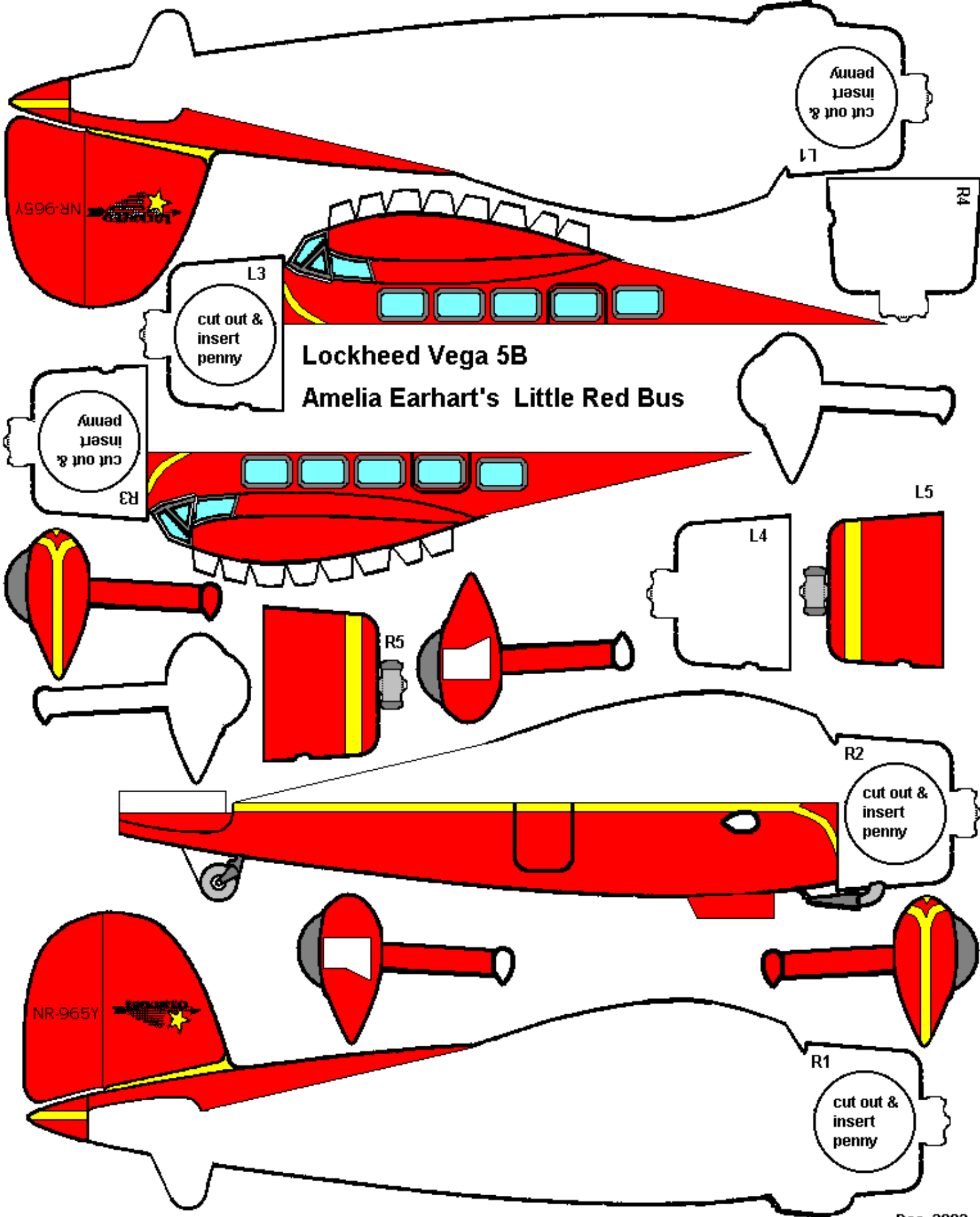
The Civil Air Patrol Aerospace Education Program is dedicated to bringing the joy and wonder of aviation to students of all ages.

Teachers -- Download aerospace learning activities and lesson plans for free from the Civil Air Patrol - New Mexico Wing web-site.

<http://nmwg.cap.gov/> (Click on "Aerospace Education" then click on "Cardstock Model Airplanes & Rockets.")

Cadets - cut out this card and give it to your science teacher. He/She might like to include aviation topics as part of the class.

designed by William H. Jackson, Maj, CAP



## **Instruction for printing and assembling the Vega Glider**

### **Printing**

1. Download and save the Word file in a convenient place, like your desktop.
2. Print the pattern on your color printer using white, heavy card stock.

### **Materials Needed**

pattern printed on white heavy index card stock

1 U.S. penny, one 2 Euro cent piece, lead foil or other suitable weight (approx. 2.5 grams) for use as a nose weight.

1 Scissors

Stick Glue (Elmer's Glue will work but it tends to be a little messy.)

ruler or straight edge

### **Construction**

1. Rough cut all pieces to separate.
2. Carefully cut out all pieces.
3. Use a U.S. penny as a nose weight. Cut out penny slot in L1, L2, L3, R1, R2, & R3.  
Note: If a United States one cent piece is unavailable, find a weight of approx. 2.5 to 3 grams. (A two Euro Cent coin works fine.)
4. Glue L1 and R1 together.
5. Fold up horizontal stabilizer tabs and landing gear brace on R2 & L2.
6. Glue L2 to L1 and R2 to R1.
7. Fold up main wing tabs on R3 & L3 before gluing to R2 and L2.
8. Insert penny and glue R4 to R3 and L4 to L3.
9. Glue R5 to R4 and L5 to L4.
10. Fold wing stiffener under and glue to main wing.  
Note: At this point if time is available, press main wing and fuselage under a heavy book and allow to dry overnight.
11. Cut slots in leading and trailing edge in the main wing at the wingroot.
12. Warp the leading edge of the main wing and make a slight dihedral.
13. Fold up and glue the first section of the landing gear brace to the fuselage.
14. Fold and glue the main gear strut.
15. Glue the three sections of the left and right main landing gear together.
16. Crease the landing gear strut at the center and bend slightly.
17. Crease and fold down the main gear strut so that they are straight up and down.
18. Glue main gear to the landing gear brace.
19. Glue wheels to the gear strut and the top strut to the white spot on the fuselage.
20. Attach the main wing to the tabs on the fuselage.
21. Attach the top window piece over the cuts in the main wing.
22. Insert the horizontal stabilizer in the slot at the tail of the fuselage and glue to the tabs.
23. Trim, Fly and Enjoy.